

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/US2004/039823

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B32B27/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US H2 073 H1 (CULOTTA ANNE M) 1 July 2003 (2003-07-01) cited in the application figures; examples; tables examples 1,4,8,10 & ANONYMOUS: "Defect propagation resistant stretch films" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 429, no. 124, January 2000 (2000-01), XP007125409 ISSN: 0374-4353 ----- -/-	1-5, 8-10,13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

2 March 2005

Date of mailing of the international search report

14/03/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ANONYMOUS: "Advantages of metallocene ethylene polymer resins in blown and cast stretch films" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 376, no. 32, August 1995 (1995-08), XP007120539 ISSN: 0374-4353 the whole document	1-23
X	US 5 907 943 A (EICHBAUER ET AL) 1 June 1999 (1999-06-01) the whole document	1-10, 12-15, 17-23
X	WO 01/98372 A (EXXONMOBIL CHEMICAL PATENTS, INC; FARLEY, JAMES, M; HALLE, RICHARD, W;) 27 December 2001 (2001-12-27) examples	1-10, 12-15, 17-23
X	EP 0 785 065 A (AEP INDUSTRIES INC) 23 July 1997 (1997-07-23) examples	1-10, 12-15, 17-23
X	US 2003/215659 A1 (FARLEY JAMES MACLEOD ET AL) 20 November 2003 (2003-11-20) the whole document	1-10, 12-15, 17-23
X	US 2003/114595 A1 (VAN DUN JOZEF J.I ET AL) 19 June 2003 (2003-06-19) the whole document	1-10, 12-15, 17-23
X	US 2003/139546 A1 (JAIN PRADEEP ET AL) 24 July 2003 (2003-07-24) the whole document	1-10, 12-15, 17-23
X	WO 98/26000 A (THE DOW CHEMICAL COMPANY; VAN DUN, JOZEF, J; DEGROOT, JACQUELYN, A; JA) 18 June 1998 (1998-06-18) the whole document	1-10, 12-15, 17-23
A	US 5 922 441 A (EICHBAUER ET AL) 13 July 1999 (1999-07-13) the whole document	1-23
A	US 5 248 547 A (WILSON ET AL) 28 September 1993 (1993-09-28) the whole document	1-23

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 132 827 A (MIRO ET AL) 17 October 2000 (2000-10-17) the whole document -----	1-23
A	EP 0 877 051 A (EXXON CHEMICAL PATENTS, INC; EXXONMOBIL CHEMICAL PATENTS INC) 11 November 1998 (1998-11-11) the whole document -----	1-23
A	US 6 093 480 A (EICHBAUER ET AL) 25 July 2000 (2000-07-25) the whole document -----	1-23
A	US 5 998 017 A (EICHBAUER ET AL) 7 December 1999 (1999-12-07) the whole document -----	1-23
A	ANONYMOUS: "Advantages of metallocene ethylene polymer resin blends in blown and cast films" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 376, no. 52, August 1995 (1995-08), XP007120559 ISSN: 0374-4353 the whole document -----	1-23
A	ANONYMOUS: "Advantages of metallocene ethylene polymer resins in multilayer blown and cast stretch films" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 412, no. 52, August 1998 (1998-08), XP007123162 ISSN: 0374-4353 the whole document -----	1-23

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1-23
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 1-23

Present claims 1-23 relate to stretch films defined in that they simultaneously display a certain minimum elongation, a particular Dart A value and a so-called "CF" value, which would appear to represent the percentage difference in elongation to break between a damaged, punctured stretch wrap film and an undamaged film when referenced to the undamaged film as measured on a particular test apparatus specific to "Highlight Industries".

The use of this later parameter in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. Firstly it is impossible to compare the parameters the applicant has chosen to employ with what is set out in the prior art. The lack of clarity is such as to render a meaningful complete search impossible. Consequently, the search has been restricted to similar film polyethylene based films. Although US H2073H describes similar measurements without constructing this parameter it is by no means clear as to whether the examples of this document fall within the present claims.

On the other side the present claims must be regarded as speculative, although the scope of the present claims would embrace any film, mono or multi-layer, displaying the desired properties, only two examples (multi-layer) of films falling within the scope of the present claims are taught. The application as filed only provides support within the meaning of Article 6 PCT and sufficiency of disclosure within the meaning of Article 5 PCT for a very limited number of embodiments, as well as for reasons of insufficiency of disclosure of the test-method. The claims being formulated as a "desiderata", a result to be achieved (Article 6 PCT).

For these reasons the search has been restricted to the disclosed embodiments, the search is thus de facto incomplete.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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